

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 4 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 5 AUG 02 Caplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available
NEWS 7 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
status data from INPADOC
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 11 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12 SEP 27 STANDARDS will no longer be available on STN
NEWS 13 SEP 27 SWETSCAN will no longer be available on STN
NEWS 14 OCT 28 KOREAPAT now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 06:49:25 ON 09 NOV 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 06:49:51 ON 09 NOV 2004

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STRUCTURE FILE UPDATES: 7 NOV 2004 HIGHEST RN 776240-21-2
DICTIONARY FILE UPDATES: 7 NOV 2004 HIGHEST RN 776240-21-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.63

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:50:18 ON 09 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

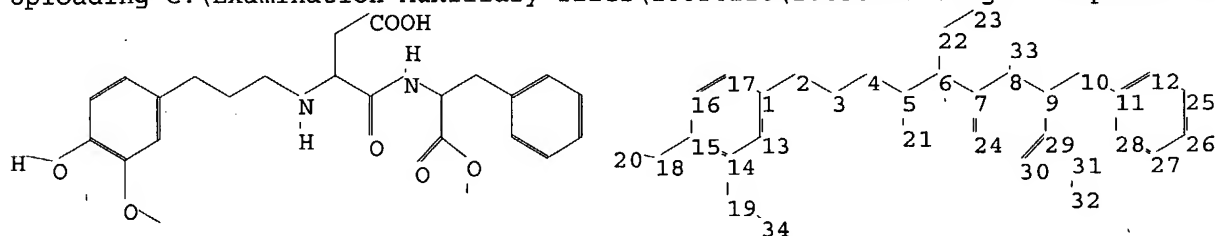
PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 06:52:58 ON 09 NOV 2004
FILE 'REGISTRY' ENTERED AT 06:52:58 ON 09 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.63

=>

Uploading C:\Examination Auxillary files\10656228\10656228 target compound.str



chain nodes :

2 3 4 5 6 7 8 9 10 18 19 20 21 22 23 24 29 30 31 32 33 34
 ring nodes :
 1 11 12 13 14 15 16 17 25 26 27 28
 chain bonds :
 1-2 2-3 3-4 4-5 5-6 5-21 6-7 6-22 7-8 7-24 8-9 8-33 9-10 9-29 10-11
 14-19 15-18 18-20 19-34 22-23 29-30 29-31 31-32
 ring bonds :
 1-13 1-17 11-12 11-28 12-25 13-14 14-15 15-16 16-17 25-26 26-27 27-28
 exact/norm bonds :
 4-5 5-6 7-8 7-24 8-9 14-19 15-18 19-34 29-30 29-31 31-32
 exact bonds :
 1-2 2-3 3-4 5-21 6-7 6-22 8-33 9-10 9-29 10-11 18-20 22-23
 normalized bonds :
 1-13 1-17 11-12 11-28 12-25 13-14 14-15 15-16 16-17 25-26 26-27 27-28

Match level :

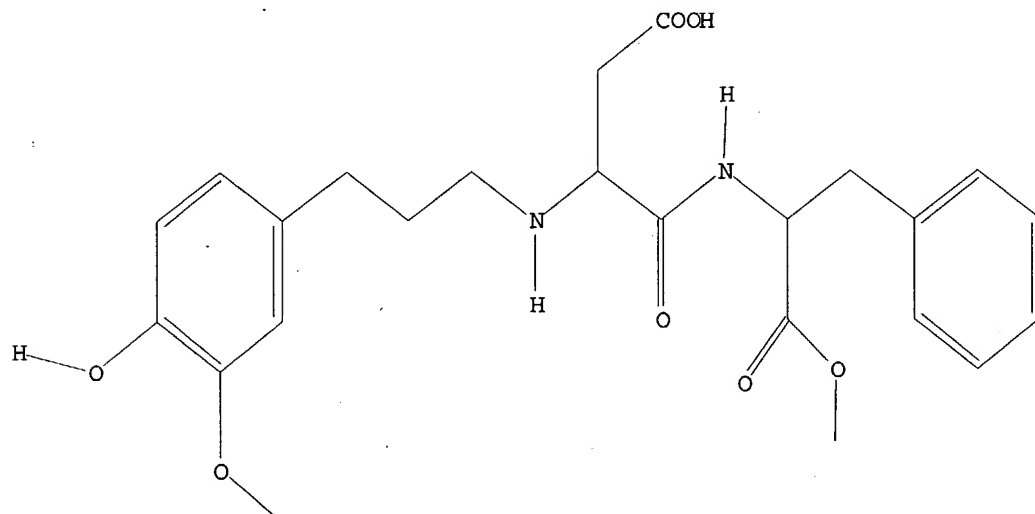
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:Atom 26:Atom
 27:Atom 28:Atom 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 exact full

FULL SEARCH INITIATED 06:53:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS

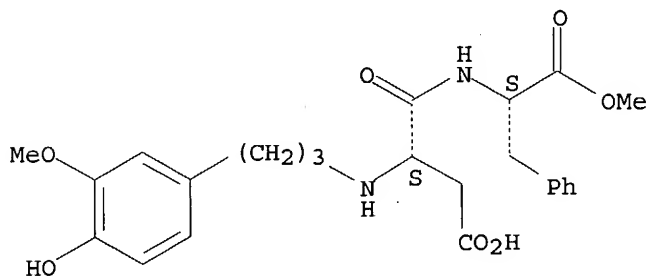
1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

=> d l2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 329326-75-2 REGISTRY
 CN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)propyl]-L- α -
 aspartyl-, 2-methyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Araramine
 FS STEREOSEARCH
 MF C24 H30 N2 O7
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
 (Properties); USES (Uses)
 RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)
 Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	54.86	55.07

FILE 'CAPLUS' ENTERED AT 06:53:39 ON 09 NOV 2004
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FILE COVERS 1907 - 9 Nov 2004 VOL 141 ISS 20
 FILE LAST UPDATED: 8 Nov 2004 (20041108/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L3 3 L2

=> d 13 1-3 ti fbib abs

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Gustatory responses of pigs to sixty compounds tasting sweet to humans
AN 2002:351144 CAPLUS
DN 137:336847
TI Gustatory responses of pigs to sixty compounds tasting sweet to humans
AU Nofre, C.; Glaser, D.; Tinti, J.-M.; Wanner, M.
CS Faculty of Medicine of Lyon Laennec, University of Lyon, Lyon, Fr.
SO Journal of Animal Physiology and Animal Nutrition (2002), 86(3-4), 90-96
CODEN: JAPNEF; ISSN: 0931-2439
PB Blackwell Wissenschafts-Verlag GmbH
DT Journal
LA English
AB The gustatory responses of pigs to 60 compds. perceived as sweet by humans were studied via a semi-quant. behavioral method derived from the Richter two-bottle preference test. Among the 60 compds. tested 35 are effective in pigs, but with an effectiveness much lower in pigs than in humans. Lugduname and carrelame, which are the two most potent sweeteners in humans, are also the most effective compds. in pigs.
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Process for producing aspartyl dipeptide ester derivatives
AN 2001:833348 CAPLUS
DN 135:358168
TI Process for producing aspartyl dipeptide ester derivatives
IN Kawahara, Shigeru; Nagashima, Kazutaka; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001085761	A1	20011115	WO 2001-JP3479	20010423
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
			JP 2000-137028	A 20000510
EP 1283213	A1	20030212	EP 2001-922023	20010423
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
			JP 2000-137028	A 20000510
			WO 2001-JP3479	W 20010423
US 2003118710	A1	20030626	US 2002-286840	20021104
			JP 2000-137028	A 20000510
			WO 2001-JP3479	A1 20010423
OS CASREACT 135:358168; MARPAT 135:358168				
AB This document discloses a process for conveniently producing on an industrial scale in high yield N-[N-[3-(phenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester derivs., which are expected to be sweeteners, by reductively alkylating aspartame with 3-phenyl-2-propenyl aldehyde derivs. under hydrogen in the presence of a catalyst and a base.				
RE.CNT 9				THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Process for producing and purifying aspartame derivative as sweetener
 AN 2001:185780 CAPLUS
 DN 134:223039
 TI Process for producing and purifying aspartame derivative as sweetener
 IN Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi
 PA Ajinomoto Co., Inc., Japan
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018034	A1	20010315	WO 2000-JP5665	20000823
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG JP 1999-253498 A 19990907 CA 2383137 AA 20010315 CA 2000-2383137 20000823 JP 1999-253498 A 19990907 WO 2000-JP5665 W 20000823 AU 2000067273 A5 20010410 AU 2000-67273 20000823 JP 1999-253498 A 19990907 WO 2000-JP5665 W 20000823 US 2002147361 A1 20021010 US 2002-91500 20020307 JP 1999-253498 A 19990907 WO 2000-JP5665 A1 20000823 US 2004049066 A1 20040311 US 2003-656228 20030908 JP 1999-253498 A 19990907 WO 2000-JP5665 A1 20000823 US 2002-91500 A1 20020307				

OS CASREACT 134:223039

AB This document discloses the following : a method for industrially
 producing N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L- α -aspartyl]-L-
 phenylalanine 1-Me ester which is useful as a sweetener, in particular, a
 process for producing the target compound in a high yield by the reductive
 alkylation reaction of aspartame with 3-(3-methoxy-4-
 hydroxyphenyl)propionaldehyde or its derivative; a method of effectively
 purifying the target compound contaminated with impurities invading
 thereinto at various production stages (involving methods other than the
 above-described reductive alkylation), more particularly, a method of
 separating the target compound in the form of highly pure crystals; the
 crystals;

sweeteners containing the same; and utilization thereof in various products
 which are to be sweetened.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.17

66.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE -2.10 -2.10

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:58:39 ON 09 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 06:59:28 ON 09 NOV 2004
FILE 'CAPLUS' ENTERED AT 06:59:28 ON 09 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.17	66.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.10	-2.10

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.61	66.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.10	-2.10

FILE 'REGISTRY' ENTERED AT 07:00:06 ON 09 NOV 2004
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STRUCTURE FILE UPDATES: 7 NOV 2004 HIGHEST RN 776240-21-2
DICTIONARY FILE UPDATES: 7 NOV 2004 HIGHEST RN 776240-21-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

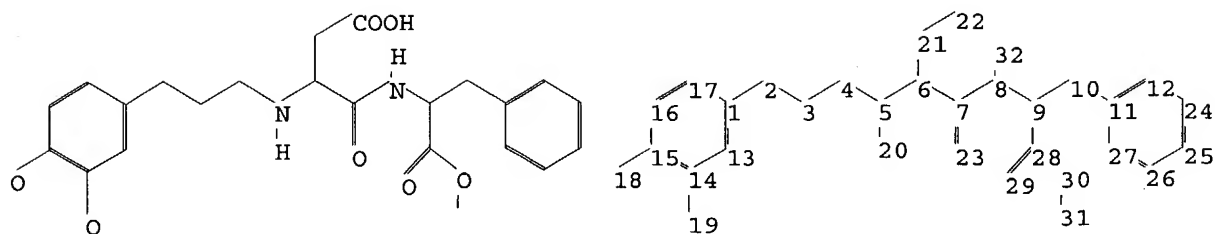
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Examination Auxillary files\10656228\10656228 target genus.str



chain nodes :

2 3 4 5 6 7 8 9 10 18 19 20 21 22 23 28 29 30 31 32

ring nodes :

1 11 12 13 14 15 16 17 24 25 26 27

chain bonds :

1-2 2-3 3-4 4-5 5-6 5-20 6-7 6-21 7-8 7-23 8-9 8-32 9-10 9-28 10-11
14-19 15-18 21-22 28-29 28-30 30-31

ring bonds :

1-13 1-17 11-12 11-27 12-24 13-14 14-15 15-16 16-17 24-25 25-26 26-27

exact/norm bonds :

4-5 5-6 7-8 7-23 8-9 14-19 15-18 28-29 28-30 30-31

exact bonds :

1-2 2-3 3-4 5-20 6-7 6-21 8-32 9-10 9-28 10-11 21-22

normalized bonds :

1-13 1-17 11-12 11-27 12-24 13-14 14-15 15-16 16-17 24-25 25-26 26-27

Match level :

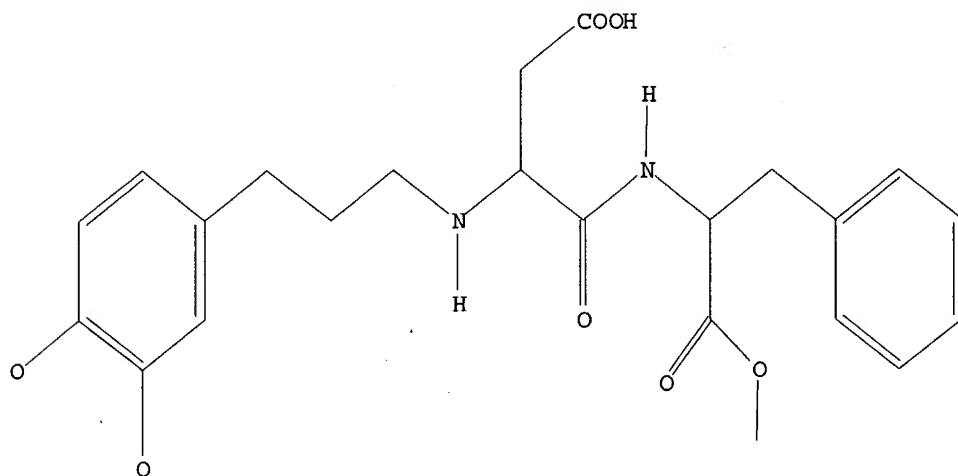
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:Atom 25:Atom 26:Atom
27:Atom 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS

L4 STRUCTURE UPLOADED

=> d.l4

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l4 sss sam
SAMPLE SEARCH INITIATED 07:00:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> search l4 sss full
FULL SEARCH INITIATED 07:00:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 231 TO ITERATE

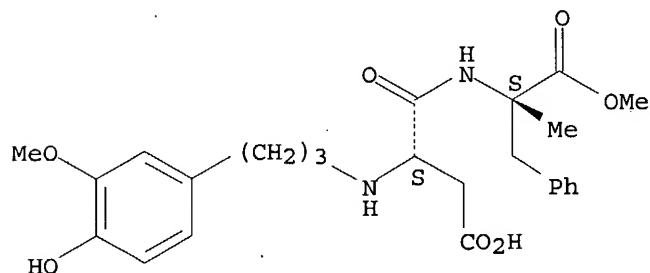
100.0% PROCESSED 231 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01

L6 21 SEA SSS FUL L4

=> d scan

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)propyl]-L- α -
aspartyl- α -methyl-, 2-methyl ester (9CI)
MF C25 H32 N2 O7

Absolute stereochemistry.

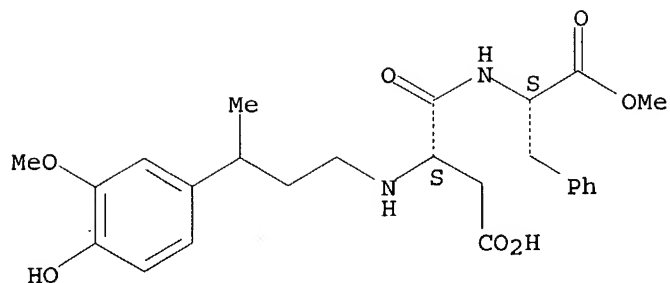


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)butyl]-L- α -aspartyl-
, 2-methyl ester (9CI)
MF C25 H32 N2 O7

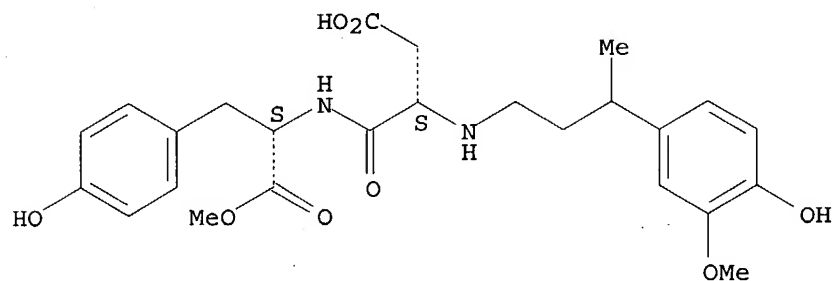
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Tyrosine, N-[3-(4-hydroxy-3-methoxyphenyl)butyl]-L-α-aspartyl-,
 2-methyl ester (9CI)
 MF C25 H32 N2 O8

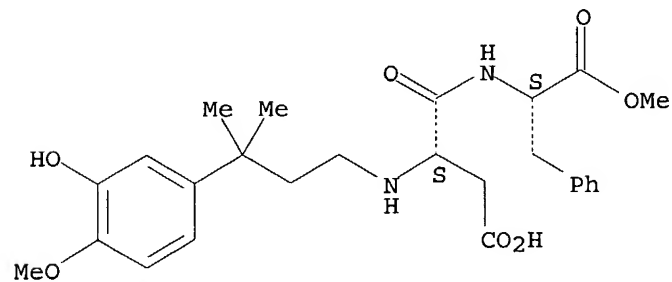
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)-3-methylbutyl]-L-α-
 aspartyl-, 2-methyl ester (9CI)
 MF C26 H34 N2 O7

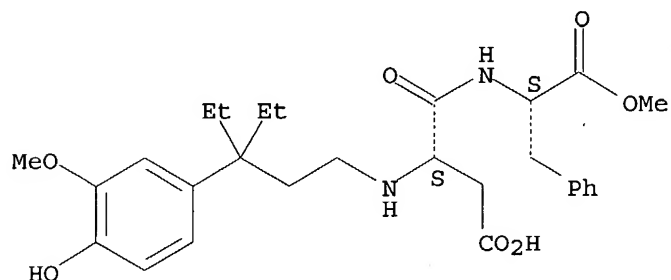
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-ethyl-3-(4-hydroxy-3-methoxyphenyl)pentyl]-L- α -
 aspartyl-, 2-methyl ester (9CI)
 MF C28 H38 N2 O7

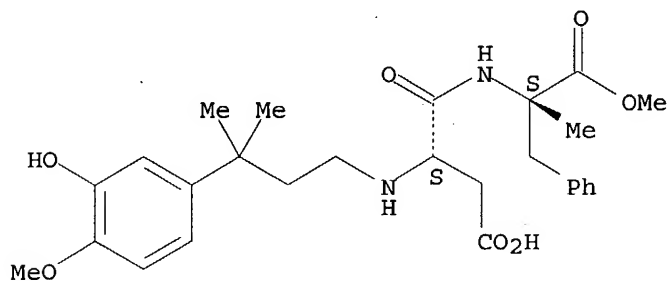
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 21 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)-3-methylbutyl]-L- α -
 aspartyl- α -methyl-, 2-methyl ester (9CI)
 MF C27 H36 N2 O7

Absolute stereochemistry.

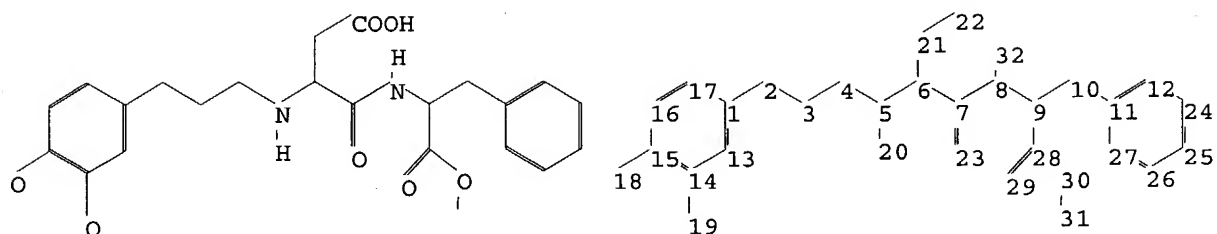


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Examination Auxillary files\10656228\10656228 target genus H
 restricted.str



chain nodes :

2 3 4 5 6 7 8 9 10 18 19 20 21 22 23 28 29 30 31 32

ring nodes :

1 11 12 13 14 15 16 17 24 25 26 27

chain bonds :

1-2 2-3 3-4 4-5 5-6 5-20 6-7 6-21 7-8 7-23 8-9 8-32 9-10 9-28 10-11
14-19 15-18 21-22 28-29 28-30 30-31

ring bonds :

1-13 1-17 11-12 11-27 12-24 13-14 14-15 15-16 16-17 24-25 25-26 26-27

exact/norm bonds :

4-5 5-6 7-8 7-23 8-9 14-19 15-18 28-29 28-30 30-31

exact bonds :

1-2 2-3 3-4 5-20 6-7 6-21 8-32 9-10 9-28 10-11 21-22

normalized bonds :

1-13 1-17 11-12 11-27 12-24 13-14 14-15 15-16 16-17 24-25 25-26 26-27

Hydrogen count :

2:>= minimum 2 3:>= minimum 2 4:>= minimum 2

Match level :

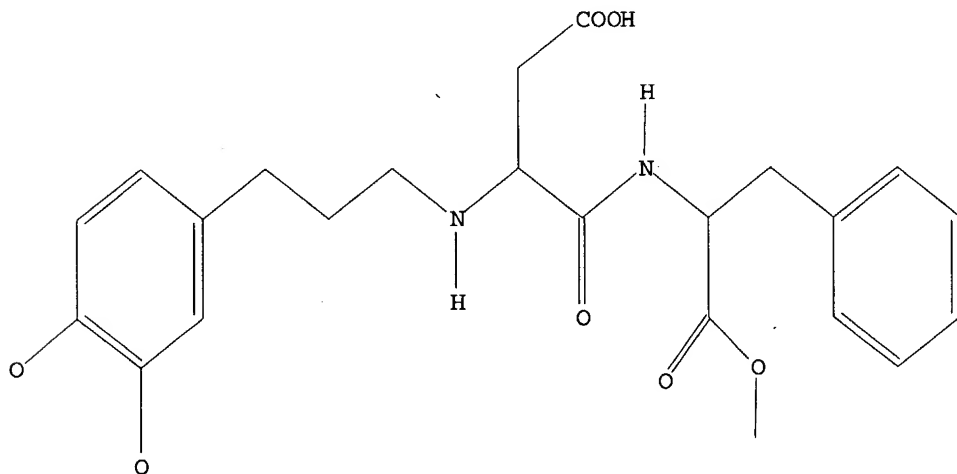
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:Atom 25:Atom 26:Atom
27:Atom 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS

L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 17 sss sam

SAMPLE SEARCH INITIATED 07:02:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> search 17 sss full

FULL SEARCH INITIATED 07:03:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 231 TO ITERATE

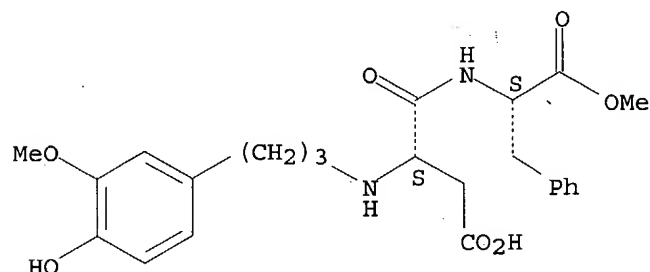
100.0% PROCESSED 231 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

L9 10 SEA SSS FUL L7

=> d scan

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)propyl]-L- α -
aspartyl-, 2-methyl ester (9CI)
MF C24 H30 N2 O7

Absolute stereochemistry.

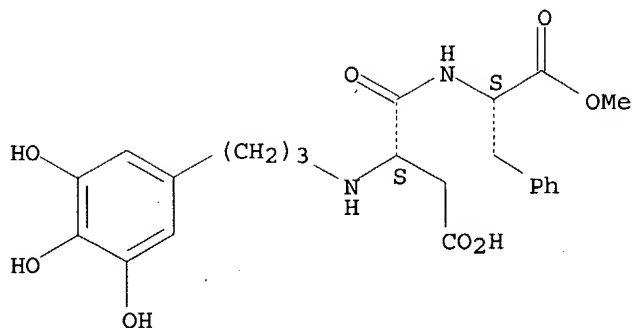


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(3,4,5-trihydroxyphenyl)propyl]-L- α -aspartyl-,
2-methyl ester (9CI)
MF C23 H28 N2 O8

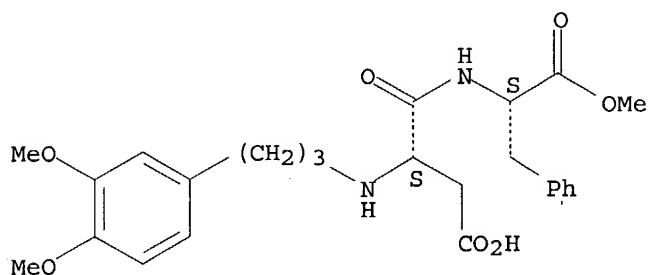
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-(3,4-dimethoxyphenyl)propyl]-L-α-aspartyl-,
 2-methyl ester (9CI)
 MF C25 H32 N2 O7

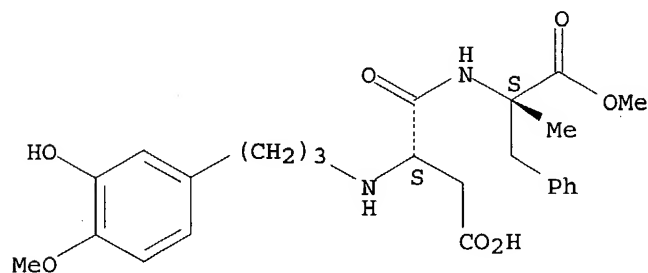
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-α-
 aspartyl-α-methyl-, 2-methyl ester (9CI)
 MF C25 H32 N2 O7

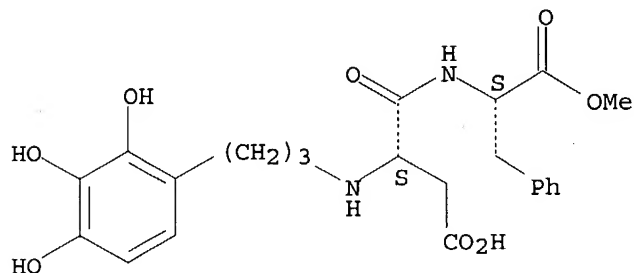
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(2,3,4-trihydroxyphenyl)propyl]-L- α -aspartyl-,
2-methyl ester (9CI)
MF C23 H28 N2 O8

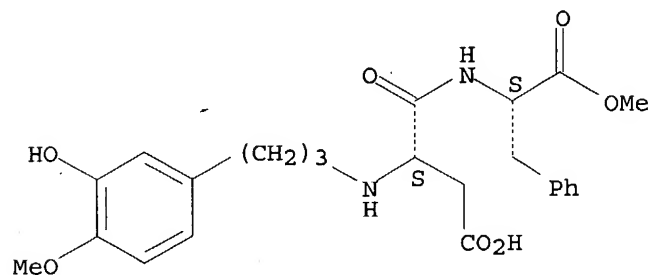
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -
aspartyl-, 2-methyl ester (9CI)
MF C24 H30 N2 O7
CI COM

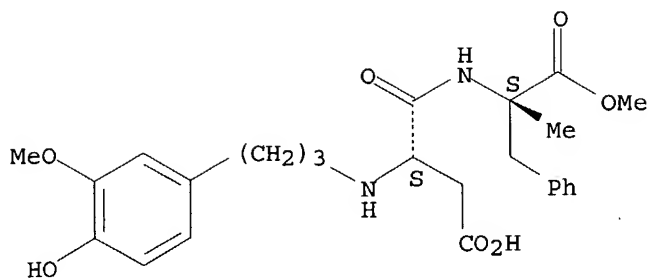
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)propyl]-L- α -
aspartyl- α -methyl-, 2-methyl ester (9CI)
MF C25 H32 N2 O7

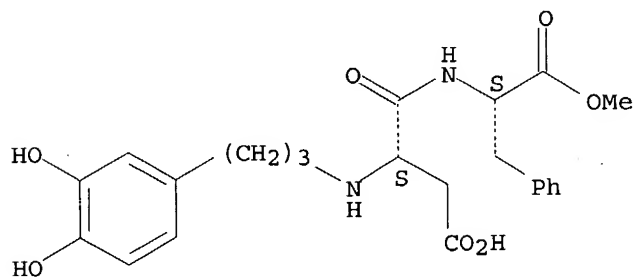
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
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 2-methyl ester (9CI)
 MF C23 H28 N2 O7

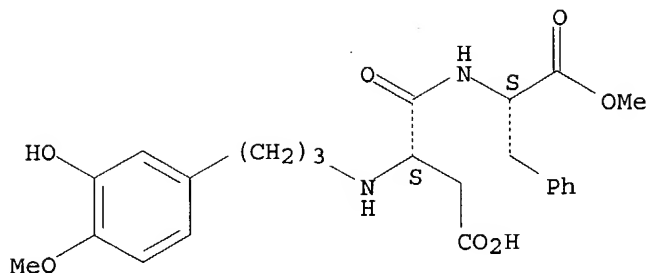
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-α-
 aspartyl-, 2-methyl ester, monohydrate (9CI)
 MF C24 H30 N2 O7 . H2 O

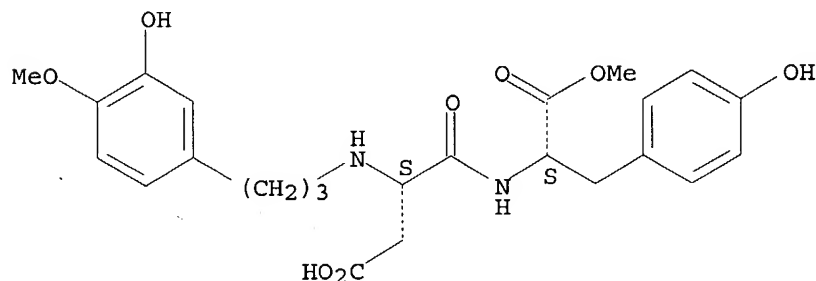
Absolute stereochemistry.



● H₂O

L9 10 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Tyrosine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-α-aspartyl-,
 2-methyl ester (9CI)
 MF C24 H30 N2 O8

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

312.52

379.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.10

FILE 'CAPLUS' ENTERED AT 07:03:33 ON 09 NOV 2004

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FILE COVERS 1907 - 9 Nov 2004 VOL 141 ISS 20
FILE LAST UPDATED: 8 Nov 2004 (20041108/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 19

L10 12 L9

=> d l10 1-12 ti

L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Sweetener compositions containing aspartyl dipeptide esters, and foods and beverages containing them

L10 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Gustatory responses of pigs to sixty compounds tasting sweet to humans

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for producing cinnamyl aldehyde derivatives and use thereof as intermediate for aspartame derivative

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for producing aspartyl dipeptide ester derivatives

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Aspartame derivative crystals

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for the production of aspartyl dipeptide ester derivatives, novel intermediates therefor and process for the production of the intermediates

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of aspartyl dipeptides and their use as sweeteners

L10 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for producing and purifying aspartame derivative as sweetener

L10 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Novel aspartyl dipeptide ester derivatives as sweeteners

L10 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of aspartyl dipeptide ester derivatives as sweeteners

=> d l10 1-12 ti fbib abs

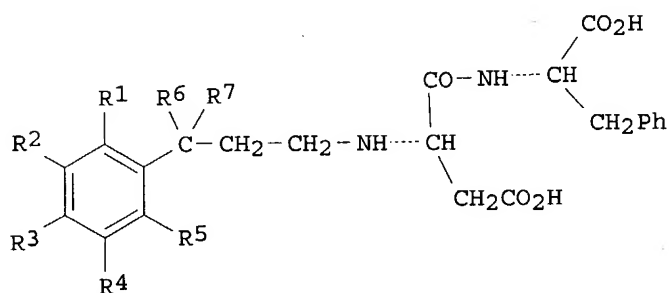
L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Sweetener compositions containing aspartyl dipeptide esters, and foods and beverages containing them

AN 2004:329965 CAPLUS
 DN 140:338286
 TI Sweetener compositions containing aspartyl dipeptide esters, and foods and beverages containing them
 IN Ono, Eriko; Takemoto, Tadashi
 PA Ajinomoto Co., Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004121222	A2	20040422	JP 2003-152064	20030529
			JP 2003-152064	20030529

OS MARPAT 140:338286
 GI



AB The sweetener compns. contain aspartyl dipeptide esters I [R1-R5 = H, OH, OMe; R6, R7 = H, Me; when R6 and R7 are different substituents, the configuration of the C atom linked to these substituents may be (R)-, (S)-, or (RS)-] or their salts and cyclodextrin. The compns. have high water solubility

L10 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Gustatory responses of pigs to sixty compounds tasting sweet to humans
 AN 2002:351144 CAPLUS
 DN 137:336847
 TI Gustatory responses of pigs to sixty compounds tasting sweet to humans
 AU Nofre, C.; Glaser, D.; Tinti, J.-M.; Wanner, M.
 CS Faculty of Medicine of Lyon Laennec, University of Lyon, Lyon, Fr.
 SO Journal of Animal Physiology and Animal Nutrition (2002), 86(3-4), 90-96
 CODEN: JAPNEF; ISSN: 0931-2439
 PB Blackwell Wissenschafts-Verlag GmbH
 DT Journal
 LA English
 AB The gustatory responses of pigs to 60 compds. perceived as sweet by humans were studied via a semi-quant. behavioral method derived from the Richter two-bottle preference test. Among the 60 compds. tested 35 are effective in pigs, but with an effectiveness much lower in pigs than in humans. Lugduname and carrelame, which are the two most potent sweeteners in humans, are also the most effective compds. in pigs.

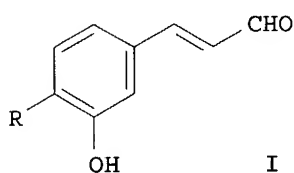
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Process for producing cinnamyl aldehyde derivatives and use thereof as intermediate for aspartame derivative
 AN 2001:851092 CAPLUS
 DN 135:371997
 TI Process for producing cinnamyl aldehyde derivatives and use thereof as

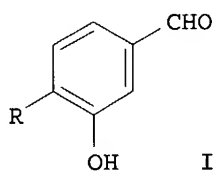
intermediate for aspartame derivative

IN Mori, Kenichi; Fujita, Shinji; Funakoshi, Nao; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN. CNT 1

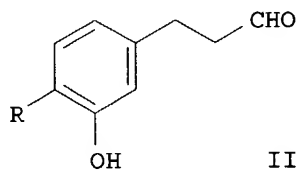
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PI	WO 2001087813	A1	20011122	WO 2001-JP3545	20010424
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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
				JP 2000-142811	A 20000516
EP	1283197	A1	20030212	EP 2001-922073	20010424
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
				JP 2000-142811	A 20000516
				WO 2001-JP3545	W 20010424
US	2003163004	A1	20030828	US 2002-295997	20021118
				JP 2000-142811	A 20000516
				WO 2001-JP3545	A1 20010424
OS	CASREACT 135:371997; MARPAT 135:371997				
GI					



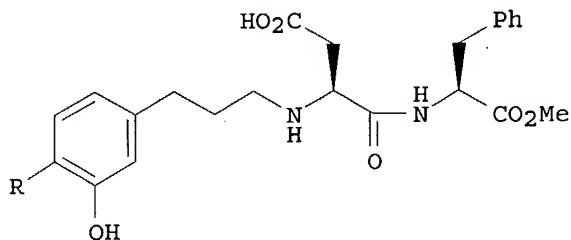
I



II



III



IV

AB Described is an industrial process for conveniently and efficiently producing highly pure cinnamyl aldehyde derivs. (I; R = H, C1-4 alkyl or alkoxy) such as (2E)-(3-hydroxy-4-methoxy)cinnamyl aldehyde which comprises reacting a benzaldehyde derivative (II; R = same as above) (for example, isovanillin) with acetaldehyde in the presence of an alkali, preferably adding acetaldehyde in portions in an aqueous solution at a low temperature

The cinnamyl aldehyde derivs. (I) thus obtained are selectively reduced into 3-(3-hydroxy-4-substituted phenyl)propionaldehydes (III; R = same as above). These compds. III are further subjected to reductive alkylation with aspartame to efficiently give N-[N-[3-(3-hydroxy-4-substituted

phenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me esters (IV; R = H, C1-4 alkyl or alkoxy), which are useful as sweeteners with high sweetness. Thus, 121.72 g isovanillin and 320 g NaOH were dissolved in 2,000 mL H₂O and cooled to -10°, followed by continuously adding 290 g 28 weight% aqueous acetaldehyde over a period of 45 h, and the resulting mixture was stirred for 1 h, treated with 768.1 g 36 weight% aqueous HCl, and filtered to give 324 g crystalline product. The latter product was dispersed in 500 mL H₂O at 25°, treated with 97.5 g 25 weight% aqueous NaOH for dissoln., stirred with 4 g activated charcoal and 16 g celite, and filtered. The filtrate was neutralized with 55.4 g 36 weight% aqueous HCl to give 185.5 g crystalline

product

which was vacuum-dried, dispersed in 275 mL MeOH at 60°, stirred for 2 h, cooled to room temperature, and filtered to give, after drying the wet crystals, 83.2 g (2E)-3-hydroxy-4-methoxycinnamaldehyde (98% purity) in 57% yield. The latter compound (5.00 g) and 300 mg 5% Pd-Al₂O₃ were added to 80 mL MeOH and stirred under H atmospheric at 35° for 24 h, followed by filtration for removal of the catalyst and washing the catalyst with 10 mL MeOH, to give a MeOH solution of 3-(3-hydroxy-4-methoxyphenyl)propionaldehyde (87% yield). The latter solution (8.15 g) containing 1.50 g of the aldehyde

and

2.57 g aspartame were added to a 4:1 mixture of MeOH and H₂O, followed by adding 0.7 g 10% Pd-C containing 50% H₂O, and the resulting mixture was stirred at 35° under H atmospheric for 48 h to give 71% N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
TI Process for producing aspartyl dipeptide ester derivatives
AN 2001:833348 CAPLUS
DN 135:358168
TI Process for producing aspartyl dipeptide ester derivatives
IN Kawahara, Shigeru; Nagashima, Kazutaka; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001085761	A1	20011115	WO 2001-JP3479	20010423
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
EP 1283213	A1	20030212	JP 2000-137028	A 20000510
R:			EP 2001-922023	20010423
			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR	
			JP 2000-137028	A 20000510
			WO 2001-JP3479	W 20010423
US 2003118710	A1	20030626	US 2002-286840	20021104
			JP 2000-137028	A 20000510
			WO 2001-JP3479	A1 20010423

OS CASREACT 135:358168; MARPAT 135:358168

AB This document discloses a process for conveniently producing on an industrial scale in high yield N-[N-[3-(phenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester derivs., which are expected to be sweeteners, by reductively alkylating aspartame with 3-phenyl-2-propenyl aldehyde

derivs. under hydrogen in the presence of a catalyst and a base.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
TI Aspartame derivative crystals
AN 2001:489419 CAPLUS
DN 135:60486
TI Aspartame derivative crystals
IN Nagashima, Kazutaka; Aoki, Yuuichi; Ono, Eriko; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001047949	A1	20010705	WO 2000-JP9247	20001225
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001022259	A5	20010709	JP 1999-373257	A 19991228
			AU 2001-22259	20001225
			JP 1999-373257	A 19991228
			WO 2000-JP9247	W 20001225
EP 1245573	A1	20021002	EP 2000-985895	20001225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			JP 1999-373257	A 19991228
			WO 2000-JP9247	W 20001225
BR 2000016316	A	20021203	BR 2000-16316	20001225
			JP 1999-373257	A 19991228
			WO 2000-JP9247	W 20001225
RU 2222544	C1	20040127	RU 2002-120510	20001225
			JP 1999-373257	A 19991228
			WO 2000-JP9247	W 20001225
US 2003009050	A1	20030109	US 2002-183652	20020628
			JP 1999-373257	A 19991228
			WO 2000-JP9247	A1 20001225
AB	Com. favorable crystals of N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine-Me ester (I) were given. Compared to amorphous aspartame, I have better stability, and higher purity and sweetness. Physicochem. characteristics of the I crystals were also given.			

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof
AN 2001:265445 CAPLUS
DN 134:265559
TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof
IN Ishii, Shoichi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025263	A1	20010412	WO 2000-JP6629	20000926
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				JP 1999-284344	A 19991005
				JP 1999-284345	A 19991005
	JP 2001103925	A2	20010417	JP 1999-284344	19991005
	JP 2001103926	A2	20010417	JP 1999-284345	19991005
	AU 2000073222	A5	20010510	AU 2000-73222	20000926
				JP 1999-284344	A 19991005
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				WO 2000-JP6629	W 20000926
EP 1223175		A1	20020717	EP 2000-961240	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
				JP 1999-284344	A 19991005
				JP 1999-284345	A 19991005
				WO 2000-JP6629	W 20000926
BR 2000014492		A	20020820	BR 2000-14492	20000926
				JP 1999-284344	A 19991005
				JP 1999-284345	A 19991005
				WO 2000-JP6629	W 20000926
US 2003044502		A1	20030306	US 2002-115937	20020405
US 6761922		B2	20040713		
				JP 1999-284344	A 19991005
				JP 1999-284345	A 19991005
				WO 2000-JP6629	A1 20000926

OS MARPAT 134:265559

AB Sweetener compns. similar to sucrose are obtained by blending aspartyl dipeptide ester derivs. (I, Markush structure claimed) such as N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester with at least one compound selected from the group comprising saccharides and sugar alcs., in the form of solns. These derivs. I are added to improve the taste of beverages.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof

AN 2001:265444 CAPLUS

DN 134:265558

TI Sweetener compositions with high degree of sweetness having improved sweetness, supplements and utilization thereof

IN Ishii, Shoichi

PA Ajinomoto Co., Inc., Japan

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025262	A1	20010412	WO 2000-JP6628	20000926

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
 HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
AU 2000073221	A5	20010510	AU 2000-73221		20000926
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	W	20000926
EP 1221448	A1	20020710	EP 2000-961239		20000926
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL		
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	W	20000926
BR 2000014454	A	20020820	BR 2000-14454		20000926
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	W	20000926
RU 2238945	C2	20041027	RU 2002-111689		20000926
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	W	20000926
US 2003059511	A1	20030327	US 2002-115242		20020404
US 6652901	B2	20031125			
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	A1	20000926
US 2004105928	A1	20040603	US 2003-617654		20030714
			JP 1999-283505	A	19991004
			JP 1999-283506	A	19991004
			JP 1999-284346	A	19991005
			WO 2000-JP6628	A1	20000926
			US 2002-115242	A3	20020404

OS MARPAT 134:265558

AB Sweetener compns. similar to sucrose are obtained by blending aspartyl dipeptide ester derivs. (I, Markush structure claimed) such as N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester with at least one compound selected from the group comprising aspartame, saccharides, sugar alcs. and oligosaccharides, so as to enhance the taste of I. These derivs. I are added to improve the taste of beverages and pharmaceuticals.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for the production of aspartyl dipeptide ester derivatives, novel intermediates therefor and process for the production of the intermediates

AN 2001:265443 CAPLUS

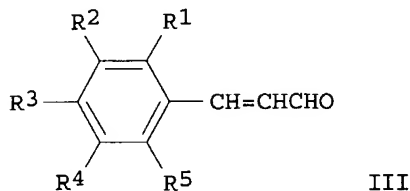
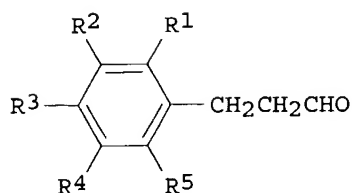
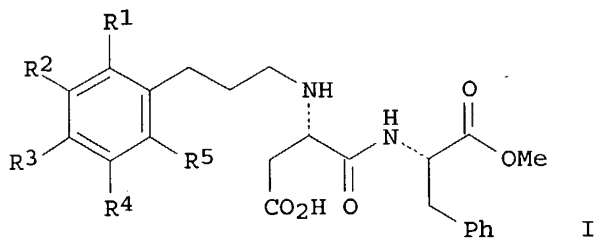
DN 134:281142

TI Process for the production of aspartyl dipeptide ester derivatives, novel intermediates therefor and process for the production of the intermediates

IN Nagashima, Kazutaka; Aoki, Yuuichi; Takemoto, Tadashi; Amino, Yusuke;

Funakoshi, Nao; Ono, Eriko
 PA Ajinomoto Co., Inc., Japan
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025260	A1	20010412	WO 2000-JP6626	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				JP 1999-287398	A 19991007
				JP 1999-371284	A 19991227
	AU 2000073219	A5	20010510	AU 2000-73219	20000926
				JP 1999-287398	A 19991007
				JP 1999-371284	A 19991227
				WO 2000-JP6626	W 20000926
	EP 1231215	A1	20020814	EP 2000-961237	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
				JP 1999-287398	A 19991007
				JP 1999-371284	A 19991227
				WO 2000-JP6626	W 20000926
	US 2002133037	A1	20020919	US 2002-117196	20020408
	US 6794531	B2	20040921		
				JP 1999-287398	A 19991007
				JP 1999-371284	A 19991227
				WO 2000-JP6626	A1 20000926
	US 2004176472	A1	20040909	US 2004-796093	20040310
				JP 1999-287398	A 19991007
				JP 1999-371284	A 19991227
				WO 2000-JP6626	A1 20000926
				US 2002-177196	A1 20020621
OS	CASREACT 134:281142; MARPAT 134:281142				
GI					



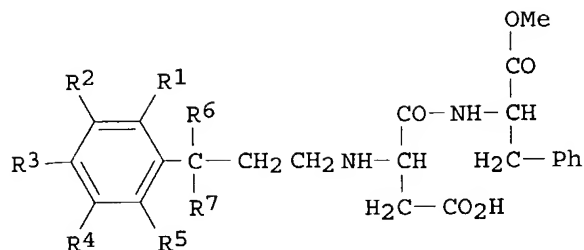
AB Industrial and efficient processes for producing aspartyl dipeptide ester derivs. of general formula (I; R1-R5 = H, OH, C1-3 alkoxy, C1-3 alkyl, benzyloxy, C2-3 hydroxyalkyloxy; or R1 and R2 or R2 and R3 together represents methylenedioxy), which are expected to serve as sweetener (no data), comprise reductive alkylation of aspartame with propionaldehydes or cinnamaldehydes of general formulas (II) and (III) in the presence of a catalyst. Particularly, described are an industrial and efficient process for producing N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-aspartyl]-L-phenylalanine 1-Me ester (IV) which is excellent as high sweetener; useful and advantageous intermediates for the process; and efficient processes for producing the intermediates. Thus, 5.89 g aspartame and 3.42 g 3-(3-hydroxy-4-methoxyphenyl)propionaldehyde (preparation given) were added to 200 mL 80% aqueous methanol, stirred at 40° for a while, and hydrogenated in the presence of 1.78 10% Pd-C at 0.1 M Pa and 40° for 40 h to give 78.9% IV.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of aspartyl dipeptides and their use as sweeteners
AN 2001:252943 CAPLUS
DN 134:266568
TI Preparation of aspartyl dipeptides and their use as sweeteners
IN Amino, Yusuke; Takemoto, Tadashi; Yuzawa, Kazuko; Nakamura, Ryoichiro
PA Ajinomoto Co., Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001097998	A2	20010410	JP 1999-281920	19991001
	WO 2001025261	A1	20010412	WO 2000-JP6627	20000926
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	AU 2000073220	A5	20010510	JP 1999-281920	A 19991001
				AU 2000-73220	20000926
				JP 1999-281920	A 19991001
				WO 2000-JP6627	W 20000926
	US 2003065210	A1	20030403	US 2002-109719	20020401
	US 6649784	B2	20031118		
				JP 1999-281920	A 19991001
				WO 2000-JP6627	A1 20000926

OS MARPAT 134:266568
GI



AB Title dipeptides I (R1-R5 = H, OH; ≥ 2 of R1-R5 = OH; R6, R7 = H, C1-3 alkyl) or their salts are prepared. Thus, β -O-benzyl-L- α -aspartyl-L-phenylalanine Me ester was treated with 3-(2,4-dibenzyloxyphenyl)-2-propenylaldehyde in the presence of NaB(OAc)3H in AcOH to give N-[N-[3-(2,4-dibenzyloxyphenyl)-2-propenyl]- β -O-benzyl-L- α -aspartyl]-L-phenylalanine 1-Me ester, which was hydrogenated over Pd/C to afford I (R1 = R3 = OH, R2 = R4 = R5-R7 = H). The product tasted 10,000 times sweeter than sucrose.

L10 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for producing and purifying aspartame derivative as sweetener

AN 2001:185780 CAPLUS

DN 134:223039

TI Process for producing and purifying aspartame derivative as sweetener

IN Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi

PA Ajinomoto Co., Inc., Japan

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001018034	A1	20010315	WO 2000-JP5665	20000823
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2383137	AA	20010315	JP 1999-253498	A 19990907
				CA 2000-2383137	20000823
				JP 1999-253498	A 19990907
				WO 2000-JP5665	W 20000823
	AU 2000067273	A5	20010410	AU 2000-67273	20000823
				JP 1999-253498	A 19990907
				WO 2000-JP5665	W 20000823
	US 2002147361	A1	20021010	US 2002-91500	20020307
				JP 1999-253498	A 19990907
				WO 2000-JP5665	A1 20000823
	US 2004049066	A1	20040311	US 2003-656228	20030908
				JP 1999-253498	A 19990907
				WO 2000-JP5665	A1 20000823
				US 2002-91500	A1 20020307

OS CASREACT 134:223039

AB This document discloses the following : a method for industrially producing N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester which is useful as a sweetener, in particular, a process for producing the target compound in a high yield by the reductive

alkylation reaction of aspartame with 3-(3-methoxy-4-hydroxyphenyl)propionaldehyde or its derivative; a method of effectively purifying the target compound contaminated with impurities invading thereinto at various production stages (involving methods other than the above-described reductive alkylation), more particularly, a method of separating the target compound in the form of highly pure crystals; the crystals;
sweeteners containing the same; and utilization thereof in various products which are to be sweetened.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel aspartyl dipeptide ester derivatives as sweeteners
AN 2000:15228 CAPLUS
DN 132:63481
TI Novel aspartyl dipeptide ester derivatives as sweeteners
IN Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi; Nakamura, Ryoichiro
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000000508	A1	20000106	WO 1999-JP3050	19990607
	W:			AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	CA 2336133	AA	20000106	JP 1998-180204	A 19980626
				CA 1999-2336133	19990607
				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	AU 9940602	A1	20000117	AU 1999-40602	19990607
	AU 752473	B2	20020919		
				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	EP 1088829	A1	20010404	EP 1999-923954	19990607
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				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	TR 200003750	T2	20010621	TR 2000-200003750	19990607
				JP 1998-180204	A 19980626
	BR 9911551	A	20011009	BR 1999-11551	19990607
				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	NZ 508579	A	20021025	NZ 1999-508579	19990607
				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	RU 2192430	C2	20021110	RU 2001-102399	19990607
				JP 1998-180204	A 19980626
				WO 1999-JP3050	W 19990607
	ZA 2000006876	A	20010517	ZA 2000-6876	20001123
				JP 1998-180204	A 19980626
	US 6630191	B1	20031007	US 2000-736149	20001215
				JP 1998-180204	A 19980626
				WO 1999-JP3050	A1 19990607

OS MARPAT 132:63481

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9952937	A1	19991021	WO 1999-JP1210	19990311
	W: AU, BR, BY, CA, CN, CZ, HU, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US, VN				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
	CA 2327938	AA	19991021	CA 1999-2327938	19990311
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
	AU 9941184	A1	19991101	AU 1999-41184	19990311
	AU 753110	B2	20021010		
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
	BR 9909542	A	20001226	BR 1999-9542	19990311
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
	EP 1070726	A1	20010124	EP 1999-932431	19990311
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, RO				
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
	TR 200002929	T2	20010321	TR 2000-200002929	19990311
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
	RU 2179979	C1	20020227	RU 2000-128012	19990311
				JP 1998-97701	A 19980409
				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
	NZ 507938	A	20021126	NZ 1999-507938	19990311
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				JP 1999-38190	A 19990217
				WO 1999-JP1210	W 19990311
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				JP 1998-97701	A 19980409

ZA 9902566	A	19991012	JP 1999-38190	A 19990217
			ZA 1999-2566	19990407
			JP 1998-97701	A 19980409
NO 2000004979	A	20001107	NO 2000-4979	20001003
			JP 1998-97701	A 19980409
			JP 1999-38190	A 19990217
			WO 1999-JP1210	W 19990311
US 6548096	B1	20030415	US 2000-684940	20001010
			JP 1998-97701	A 19980409
			JP 1999-38190	A 19990217
			WO 1999-JP1210	A1 19990311

OS MARPAT 131:272186

AB Novel aspartyl dipeptide ester derivs. (including those in the form of a salt) having an excellent sweetening effect and usable as sweeteners such as N-[N-[3-(3-methyl-4-hydroxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester and N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl]-L-phenylalanine 1-Me ester (I) are prepared Thus, I was prepared from N-tert-butoxycarbonyl- β -O-benzyl- α -L-aspartyl-L-phenylalanine Me ester and 3-benzyloxy-4-methoxycinnamaldehyde. I was 20,000-times sweeter than sucrose.

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
35.64	414.84

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-8.40	-10.50

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:05:13 ON 09 NOV 2004

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L1	1	"5480668".PN.	USPAT	OR	OFF	2004/11/09 09:20
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L3	3	"2001039357".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
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L5	1	"4440667".PN.	USPAT	OR	OFF	2004/11/09 09:20
L6	1	"5055588".PN.	USPAT	OR	OFF	2004/11/09 09:20
L7	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L8	11	"5510508".URPN. and extract\$	USPAT	OR	OFF	2004/11/09 09:20
L9	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L10	32	"5510508".URPN.	USPAT	OR	OFF	2004/11/09 09:20
L11	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L12	1	"5510508".PN.	USPAT	OR	OFF	2004/11/09 09:20
L13	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L14	1	"5502238".PN.	USPAT	OR	OFF	2004/11/09 09:20
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L16	2	"9411391".pn.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
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L18	2	("6548096").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L19	2	("6335461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L20	2	("6630191").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L21	2	("6649784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L22	460580	extract\$	USPAT	OR	OFF	2004/11/09 09:20
L23	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L24	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L25	745748	hydrogen	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L26	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L27	40054	methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L28	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L29	5583	aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L30	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L31	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L32	460580	extract\$	USPAT	OR	OFF	2004/11/09 09:20
L33	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L34	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L35	745748	hydrogen	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L36	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L37	40054	methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L38	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L39	5583	aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L40	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L41	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L42	1	"5480668".PN.	USPAT	OR	OFF	2004/11/09 09:20
L43	1	"4440667".PN.	USPAT	OR	OFF	2004/11/09 09:20
L44	1	"5055588".PN.	USPAT	OR	OFF	2004/11/09 09:20
L45	1	"5510508".PN.	USPAT	OR	OFF	2004/11/09 09:20
L46	1	"5502238".PN.	USPAT	OR	OFF	2004/11/09 09:20
L47	2	"20020147361".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L48	3	"2001039357".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L49	3	"9952937".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L50	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L51	11	"5510508".URPN. and extract\$	USPAT	OR	OFF	2004/11/09 09:20
L52	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L53	32	"5510508".URPN.	USPAT	OR	OFF	2004/11/09 09:20
L54	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L55	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L56	2	"9411391".pn.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L57	8	coniferylaldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L58	2	("6548096").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L59	2	("6335461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L60	2	("6630191").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L61	2	("6649784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L62	309	560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L63	2	("6548096").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L64	1	"6794531".PN.	USPAT	OR	OFF	2004/11/09 09:20
L65	460580	extract\$	USPAT	OR	OFF	2004/11/09 09:20
L66	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L67	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L68	745748	hydrogen	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L69	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L70	40054	methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L71	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L72	5583	aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L73	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L74	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L75	460580	extract\$	USPAT	OR	OFF	2004/11/09 09:20
L76	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L77	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L78	745748	hydrogen	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L79	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L80	40054	methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L81	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L82	5583	aspartame	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L83	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L84	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L85	1	"5480668".PN.	USPAT	OR	OFF	2004/11/09 09:20
L86	1	"4440667".PN.	USPAT	OR	OFF	2004/11/09 09:20
L87	1	"5055588".PN.	USPAT	OR	OFF	2004/11/09 09:20
L88	1	"5510508".PN.	USPAT	OR	OFF	2004/11/09 09:20
L89	1	"5502238".PN.	USPAT	OR	OFF	2004/11/09 09:20
L90	1	"5480668".PN.	USPAT	OR	OFF	2004/11/09 09:20
L91	1	"4440667".PN.	USPAT	OR	OFF	2004/11/09 09:20
L92	1	"5055588".PN.	USPAT	OR	OFF	2004/11/09 09:20
L93	1	"5510508".PN.	USPAT	OR	OFF	2004/11/09 09:20
L94	1	"5502238".PN.	USPAT	OR	OFF	2004/11/09 09:20
L95	2	"20020147361".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L96	3	"2001039357".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L97	3	"9952937".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L98	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L99	11	"5510508".URPN. and extract\$	USPAT	OR	OFF	2004/11/09 09:20
L100	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L101	32	"5510508".URPN.	USPAT	OR	OFF	2004/11/09 09:20
L102	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L103	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L104	2	"9411391".pn.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L105	8	coniferylaldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L106	2	("6548096").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L107	2	("6335461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L108	2	("6630191").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L109	2	("6649784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L110	2	"20020147361".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L111	3	"2001039357".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L112	3	"9952937".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/09 09:20
L113	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L114	11	"5510508".URPN. and extract\$	USPAT	OR	OFF	2004/11/09 09:20
L115	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L116	32	"5510508".URPN.	USPAT	OR	OFF	2004/11/09 09:20
L117	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L118	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L119	2	"9411391".pn.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

L120	8	coniferylaldehyde	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L121	2	("6548096").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L122	2	("6335461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L123	2	("6630191").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L124	2	("6649784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L125	2	("6548096").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L126	309	560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20
L127	309	560/40.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/09 09:20

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L22	460580	extract\$	USPAT	2004/11/09 09:20	
2	BRS	L23	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
3	BRS	L24	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
4	BRS	L25	745748	hydrogen	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
5	BRS	L26	3225	reductive adj. alkylation	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
6	BRS	L27	40054	methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
7	BRS	L28	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
8	BRS	L29	5583	aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
9	BRS	L30	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

10	BRS	L31	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Error Definition	Errors
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
11	BRS	L32	460580	extract\$	USPAT	2004/11/09 09:20	
12	BRS	L33	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
13	BRS	L34	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
14	BRS	L35	745748	hydrogen	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
15	BRS	L36	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
16	BRS	L37	40054	methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
17	BRS	L38	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
18	BRS	L39	5583	aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
19	BRS	L40	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

20	BRS	L41	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
21	BRS	L65	460580	extract\$	USPAT	2004/11/09 09:20	
22	BRS	L66	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
23	BRS	L67	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
24	BRS	L68	745748	hydrogen	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
25	BRS	L69	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
26	BRS	L70	40054	methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
27	BRS	L71	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
28	BRS	L72	5583	aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
29	BRS	L73	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

30	BRS	L74	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
31	BRS	L75	460580	extract\$	USPAT	2004/11/09 09:20	
32	BRS	L76	83	hydrogen and dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
33	BRS	L77	106	dimethylbutyraldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
34	BRS	L78	745748	hydrogen	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
35	BRS	L79	3225	reductive adj alkylation	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
36	BRS	L80	40054	methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
37	BRS	L81	220	hydroxyphenyl\$ and aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
38	BRS	L82	5583	aspartame	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
39	BRS	L83	60572	hydroxyphenyl\$	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

40	BRS	L84	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
41	BRS	L1	1	"5480668".PN.	USPAT	2004/11/09 09:20	
42	BRS	L5	1	"4440667".PN.	USPAT	2004/11/09 09:20	
43	BRS	L6	1	"5055588".PN.	USPAT	2004/11/09 09:20	
44	BRS	L12	1	"5510508".PN.	USPAT	2004/11/09 09:20	
45	BRS	L14	1	"5502238".PN.	USPAT	2004/11/09 09:20	
46	BRS	L42	1	"5480668".PN.	USPAT	2004/11/09 09:20	
47	BRS	L43	1	"4440667".PN.	USPAT	2004/11/09 09:20	
48	BRS	L44	1	"5055588".PN.	USPAT	2004/11/09 09:20	
49	BRS	L45	1	"5510508".PN.	USPAT	2004/11/09 09:20	
50	BRS	L46	1	"5502238".PN.	USPAT	2004/11/09 09:20	
51	BRS	L64	1	"6794531".PN.	USPAT	2004/11/09 09:20	
52	BRS	L85	1	"5480668".PN.	USPAT	2004/11/09 09:20	
53	BRS	L86	1	"4440667".PN.	USPAT	2004/11/09 09:20	
54	BRS	L87	1	"5055588".PN.	USPAT	2004/11/09 09:20	
55	BRS	L88	1	"5510508".PN.	USPAT	2004/11/09 09:20	
56	BRS	L89	1	"5502238".PN.	USPAT	2004/11/09 09:20	
57	BRS	L90	1	"5480668".PN.	USPAT	2004/11/09 09:20	
58	BRS	L91	1	"4440667".PN.	USPAT	2004/11/09 09:20	
59	BRS	L92	1	"5055588".PN.	USPAT	2004/11/09 09:20	
60	BRS	L93	1	"5510508".PN.	USPAT	2004/11/09 09:20	
61	BRS	L94	1	"5502238".PN.	USPAT	2004/11/09 09:20	
62	BRS	L2	2	"20020147361".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
63	BRS	L3	3	"2001039357".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
64	BRS	L4	3	"9952937".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
65	BRS	L7	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
66	BRS	L8	11	"5510508".URPN. and extract\$	USPAT	2004/11/09 09:20	
67	BRS	L9	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
68	BRS	L10	32	"5510508".URPN.	USPAT	2004/11/09 09:20	
69	BRS	L11	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
70	BRS	L13	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
71	BRS	L16	2	"9411391".pn.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

72	BRS	L17	8	coniferylaldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
73	IS&R	L18	2	("6548096").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
74	IS&R	L19	2	("6335461").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
75	IS&R	L20	2	("6630191").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
76	IS&R	L21	2	("6649784").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
77	BRS	L47	2	"20020147361".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

78	BRS	L48	3	"2001039357".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
79	BRS	L49	3	"9952937".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
80	BRS	L50	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
81	BRS	L51	11	"5510508".URPN. and extract\$	USPAT	2004/11/09 09:20	
82	BRS	L52	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
83	BRS	L53	32	"5510508".URPN.	USPAT	2004/11/09 09:20	
84	BRS	L54	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
85	BRS	L55	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
86	BRS	L56	2	"9411391".pn.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
87	BRS	L57	8	coniferylaldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

	Error Definition	Errors
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
88	IS&R	L58	2	("6548096").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
89	IS&R	L59	2	("6335461").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
90	IS&R	L60	2	("6630191").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
91	IS&R	L61	2	("6649784").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
92	IS&R	L63	2	("6548096").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

93	BRS	L95	2	"20020147361".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Error Definition	Errors
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
94	BRS	L96	3	"2001039357".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
95	BRS	L97	3	"9952937".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
96	BRS	L98	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
97	BRS	L99	11	"5510508".URPN. and extract\$	USPAT	2004/11/09 09:20	
98	BRS	L100	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
99	BRS	L101	32	"5510508".URPN.	USPAT	2004/11/09 09:20	
100	BRS	L102	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
101	BRS	L103	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
102	BRS	L104	2	"9411391".pn.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

103	BRS	L105	8	coniferylaldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
104	IS&R	L106	2	("6548096").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
105	IS&R	L107	2	("6335461").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
106	IS&R	L108	2	("6630191").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
107	IS&R	L109	2	("6649784").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
108	BRS	L110	2	"20020147361".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

109	BRS	L111	3	"2001039357".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
110	BRS	L112	3	"9952937".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
111	BRS	L113	8	560/40.ccls. and (hydrogen and dimethylbutyraldehyde)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
112	BRS	L114	11	"5510508".URPN. and extract\$	USPAT	2004/11/09 09:20	
113	BRS	L115	11	560/40.ccls. and (reductive adj alkylation)	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
114	BRS	L116	32	"5510508".URPN.	USPAT	2004/11/09 09:20	
115	BRS	L117	38	560/40.ccls. and methoxyphenyl	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
116	BRS	L118	59	hydroxyphenyl\$ and 560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
117	BRS	L119	2	"9411391".pn.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
118	BRS	L120	8	coniferylaldehyde	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

	Error Definition	Errors
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
119	IS&R	L121	2	("6548096").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
120	IS&R	L122	2	("6335461").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
121	IS&R	L123	2	("6630191").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
122	IS&R	L124	2	("6649784").PN.	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T	2004/11/09 09:20	
123	IS&R	L125	2	("6548096").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

124	BRS	L15	309	560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
125	BRS	L62	309	560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
126	BRS	L126	309	560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	
127	BRS	L127	309	560/40.ccls.	USPAT; EPO; JPO; DERWEN T	2004/11/09 09:20	

	Error Definition	Errors
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